

Title (en)
Multi-stage trim

Title (de)
Mehrstufige Verkleidung

Title (fr)
Garniture à plusieurs étages

Publication
EP 2631518 A1 20130828 (EN)

Application
EP 13002629 A 20080821

Priority
• US 96939807 P 20070831
• EP 08807403 A 20080821

Abstract (en)
The fluid handling system has a trim (12) with multiple of flow paths (82). Each flow path includes a series of stages (84,86,88,90,92,94,96) and the expansion zones arranged in series between each of the stages. The expansion zones are arranged to flow a fluid in a direction perpendicular to direction of flow in both an adjacent upstream stage and an adjacent downstream stage.

IPC 8 full level
F16K 47/08 (2006.01)

CPC (source: EP US)
F16K 3/24 (2013.01 - US); **F16K 47/04** (2013.01 - US); **F16K 47/08** (2013.01 - EP US); **Y10T 137/86734** (2015.04 - EP US); **Y10T 137/86759** (2015.04 - EP US); **Y10T 137/87265** (2015.04 - EP US); **Y10T 137/87917** (2015.04 - EP US)

Citation (search report)
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

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WO 2009027912 A1 20090305; BR PI0815815 A2 20150218; BR PI0815815 B1 20200324; EP 2188556 A1 20100526; EP 2188556 B1 20140402; EP 2631518 A1 20130828; EP 2631518 B1 20160113; US 2010186835 A1 20100729; US 2015013797 A1 20150115; US 8863776 B2 20141021; US 9951877 B2 20180424

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